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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,755	07/15/2003	Ragulan Sinnarajah	030275	8985

23696 7590 06/13/2005

Qualcomm Incorporated
Patents Department
5775 Morehouse Drive
San Diego, CA 92121-1714

EXAMINER

MEHRPOUR, NAGHMEH

ART UNIT	PAPER NUMBER
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2686

DATE MAILED: 06/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/620,755

Applicant(s)

SINNARAJAH ET AL.

Examiner

Naghmeh Mehrpour

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-72 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-72 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-72, are rejected under 35 U.S.C. 102(e) as being anticipated by Park (US patent Number 6,725,042 B2).

Regarding claims 1, 11, 19, 37, 47, 55, 65, Park teaches method for providing short-slot-cycle paging information to a base station (BS), comprising:

a receiver capable of receiving information from a communication device (CD) (co 7 lines 45-67);

a transmitter capable of transmitting information to the CD (col 8 lines 52-67, col 8 lines 1-20); and

a processor capable of carrying out a method for providing short-slot-cycle paging (col 8 lines 52-67, col 8 lines 1-20), the method comprising:

indicating to the CD that the BS is capable of short-slot-cycle paging (col 7 lines 45-52);

receiving information from the CD, indicating that the CD is also capable for short-slot-cycle paging (col 7 lines 45-52); and

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paging the CD based on the received information (col 8 lines 52-67).

Regarding claims 2, 12, 20, 39, 33, 38, 48, 56, 66, Park teaches a method of claim 1, further including setting a negative slot-cycle-index value for said short-slot-cycle paging (col 9 lines 35-60).

Regarding claims 3, 21, 31, 39, 49, 57, 67, Park teaches a method of claim 2, wherein the negative slot-cycle-index value includes one of "-1," "-2," "-3," or "-4" (col 9 lines 35-65).

Regarding claims 4, 13, 22, 31, 40, 50, 58, 68, Park teaches a method of claim 1, wherein said determining includes examining system parameter messages including extended system parameter messages (ESPM) (col 9 lines 20-34).

Regarding claims 5, 14, 23, 32, 41, 59, 68, Park teaches a method of claim 1, wherein said determining includes examining system parameter messages including ANSI-41 system parameter messages (A41SPM) (col 8 lines 52-65).

Regarding claims 6, 24, 42, 60, Park teaches a method of claim 1, wherein said determining includes examining whether AUTO_MSG_SUPPORTED field is set to "1" (col 8 lines 52-65).

Regarding claims 7, 15, 25, 33, 43, 51, 61, 69, Park inherently teaches a method of claim 1, wherein said indicating includes setting WLL_INCL to "1"

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in one of registration message, origination message, or page response message (col 7 lines 1-65).

Regarding claims 8, 16, 26, 34, 44, 52, 62, 70, Park inherently teaches a method of claim 7, further including setting a desired slot cycle duration in a SLOT-CYCLE-INDEX field (col 6 lines 35-67, col 7 lines 1-65).

Regarding claims 9, 17, 27, 35, 45, 53, 63, 71, Park teaches a method of claim 7, further including setting a desired slot cycle duration in a WLL-DEVICE-TYPE field (col 7 lines 1-60).

Regarding claims 10, 18, 28, 36, 46, 54, 64, 72, Park teaches a method of claim 1, wherein said indicating includes setting a SLOT-CYCLE-INDEX with a most significant bit of "1" in one of registration message, origination message, or page response message (col 7 lines 1-59).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ruohonen (US Patent 6,377,803 B1) disclose neighbour cell measurements for cell re-selection

Rosen et al. (US Publication 2004/0171400 A1) disclose controller for reducing latency in a group dormancy-wakeup process in a group communication network

Schlosser et al. (US Patent 6,253,089 B1) disclose system for transferring information from a base station to portable phones

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Challa et al. (US Patent 6,453,181 B1) disclose method and apparatus for compensating for frequency drift in a low frequency sleep clock with a mobile station operating in a slotted paging mode

4. **Any responses to this action should be mailed to:**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naghmeh Mehrpour whose telephone number is 571-272-7913.

The examiner can normally be reached on 8:00- 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold be reached (571) 272-7905.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NM

June 7, 2005


MELODY MEHROUR
PATENT EXAMINER